

## Receiving Report

Date: 12-8-13 Batch No: 122683  
 Supplier: metoux castle Dart P/O: 17488  
 Packing Slip: Yes  No  Release Note Attached: Yes  No  N/A   
 Invoice: Yes  No  Waybill Attached: Yes  No  N/A   
 Receipt: Cash  Cr  Shipment Complete: Yes  No  N/A   
 QC6 Inspection: OAS N/A   
 Work Order: 16 170614 N/A

### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 SP

Production/Admin: 12-8-13  
 Date  
 Received/Costing SP  
 Initial

Location MAT





**Castle Metals®**

A. M. Castle & Co.

**BORDEREAU DE MARCHANDISES**

Page 1 of 1

No de Formulaire d'Emballage / Pack Slip No:1116781

<b>Détails d'expédition / Shipment Details</b>		<b>Destination finale / Final Destination Branch -</b>		
<b>Expédié de / Ship From:</b> A. M. Castle & Co. (Canada) Inc. Montreal 835-Selkirk Avenue POINTE CLAIRE, QC H9R 3S2	<b>Vendu à / Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	<b>Expédié à / Ship To:</b> METCOR INC. 560 BOUL. ARTHUR-SAUVE SAINT-EUSTACHE, QC J7R 5A8 CA	<b>Livré à / Deliver To:</b> METCOR INC. 560 BOUL. ARTHUR-SAUVE SAINT-EUSTACHE, QC J7R 5A8 CA	
<b>Date d'expédition / Date Shipped</b> 01-AUG-2012	<b>F.O.B.</b> ORIGIN	<b>Modalités de transport / Freight Terms</b> Prepaid	<b>Transporteur / Carrier</b> LOCAL_FLEET	<b>No du Bon de connaissance / BOL No</b> 1122703
				<b>Nº de livraison / Delivery No</b> 117826620
<b>Détails / Details</b>		<b>Détails / Details</b>		
<b>Nº de commande / Order No</b> 2322742	<b>Nº de ligne / Line No</b> 1	<b>Nº d'article / Item No</b> 67761.B0	<b>Description</b> 4.0000.5.0000.FLAT;17CR-4NI.STAINLESS.HR.144.0000 SPECIFICATIONS: ATTN MONTREAL: CUT IN HALF (2 PCS 48"LONG) AMS 5643	
<b>Nº de bon de commande / Purchase Order No</b> 17488	<b>Nº de pièces / Part Number</b>	<b>Qté commandée / Ordered Qty</b> 544.00 LBS	<b>Qté Facturée / Invoice Qty</b> 8.0000 FT	
<b>Détails / Details</b>		<b>Qté expédiée / Shipped Qty (LBS)</b>		
<b>Usine / Mill</b> FRY STEEL COMPANY	<b>No de coulée / Heat Number</b> A11895	<b>Code méc / Mech Id</b> 1.0	<b>Pièces / PCS</b> 96.0000	<b>Largeur (Pouce)/ Width (IN)</b> 572.0000
<p>Nous certifions par le présent que le matériel ci-dessous par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel, y compris toute spécification faisant partie de la description. Les rapports d'essai sont archivés pour fins de consultation. Toute réclame concernant du matériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle &amp; Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le client ne peut être retourné pour crédit.</p> <p>We hereby certify that the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle &amp; Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.</p> <p>Ce matériel a été coupé et inspecté par:</p> <p>Reviewed by Authorized Castle Metals Representative:</p>				
			<b>Date:</b>	<b>Name:</b>



575 STATE FARM BLVD.  
SOLVAY, NY 13209

SO FRY STEEL COMPANY  
13325 MOLETTE ST  
D SANTA FE SPRINGS, CA 90670  
T O

CRU INSIDE SALES REP.  
L HINMAN

QUANTITY SHIPPED 5450 LBS. 12 BDRLS 1-27524 2-27487

# Certificate of Test

Cert Date: 03/09/12

SH FRY STEEL COMPANY  
13325 MOLETTE ST  
P SANTA FE SPRINGS, CA 90670  
T O

CRU ORDER NO.  
P5-24254-1-01

HEAT NO.  
A11695

CUSTOMER PART NO.  
S16710

SHIPPED FROM  
SOLVAY, NY USA

CUSTOMER P.O.  
46730-5/516710

DESCRIPTION OF MATERIAL  
CRU 17CR-4NI PP HD HF P SOL TRBD  
AWS-2303-P AMS-5643-R ASME SA-564-10 TYPE 630 ASTM-A486-11  
ASTM-A564-10 TYPE 630 CAPABLE OF NBO 150-003-C

SIZE  
5.000 X 4.000 FLAT

### CHEMICAL ANALYSIS

C	NI	P	S	Si	Mn	Cr	Mo	Cu	Cr	Ta
.047	.64	.029	.018	.56	4.34	15.15	.30	3.21	.310	.011

DAS  
16  
Sec  
12/08/14

### AS SHIPPED PROPERTIES

HARDNESS  
BHN 363

### HEAT CHARACTERISTICS

HEAT CAPABILITY AFTER 900 DEG. F. 1 HR. AIRCOOL:

LONGITUDINAL

HARDNESS	TENSILE PSI	210,320	MICRO	MAGNAFLUX P/S	FERRITE	MACRO
BHN 429	YLD. 20 PSI	184,360	OK	0/0	5%	OK
	1% ELONG4D	14.4				
	RED/AREA1	47.2				

### AS SHIPPED MATERIAL CONDITION

MATERIAL SOLUTION TREATED AT 1900 DEG. F. HELD 1 HOUR AT TEMPERATURE - AIRCOOLED

FRY STEEL CO. CERTIFIES THAT THIS IS  
A TRUE COPY OF THE ORIGINAL MILL TEST  
REPORT NOW ON FILE  
RECEIVED AND INSPECTED

MAR 13 2012

*Chip Sandoval*  
BY  
CHIP SANDOVAL - Q.C. MANAGER

THANK YOU FOR SELECTING A QUALITY PRODUCT MELTED AND MANUFACTURED WITH PRIDE AT CRUCIBLE INDUSTRIES LLC LOCATED IN SOLVAY, NY 13209, USA. WE PROVIDE MATERIAL THAT IS FREE FROM MERCURY CONTAMINATION AND RADIATION AT THE TIME OF SHIPMENT. NO WELD REPAIR IS DONE. CRUCIBLE INDUSTRIES LLC HOLDS A CERTIFICATE OF REGISTRATION TO ISO 9001:2008, PRESSURE EQUIPMENT DIRECTIVE (PED) 97/23/EC 78 ANNEX 1, PARAGRAPH 4.3 10854 0004 3 - AND DILARIS 242.225.7001.7002.7003.7005 MATERIAL IS OF NAFTA ORIGIN. MATERIAL TESTING IS PERFORMED ON A PROLONGATION OF THE BAR, IN COMPLIANCE WITH INDUSTRY STANDARDS ASTM A270, ER, E10, E19, E21, E26, E112, E381, E604, E572, E1018, AND E1016. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES, INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47, PRODUCTS, TECHNICAL DATA, TECHNOLOGY, AND SERVICES OF CRUCIBLE INDUSTRIES LLC ARE SUBJECT TO U.S. EXPORT CONTROLS UNDER THE APPLICABLE AWS AND REGULATIONS OF THE UNITED STATES.

THE ABOVE MATERIAL WAS MANUFACTURED AND TESTED ACCORDING TO ABOVE SPECIFICATIONS AND IS IN CONFORMANCE WITH THE SPECIFICATION REQUIREMENTS.

CRUCIBLE INDUSTRIES LLC

CERTIFIED BY

*William P. Mastor*

WILLIAM MASTOR - MANAGER QUALITY CONTROL & ABS

4x5



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID **PO17488**

Purchase Order Date 7/19/12

PO Print Date 7/19/12

Page Number 2 of 2

Order From :

VC-MET001

METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100  
TORONTO, ON M4Y 3A5  
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	514 694 9575	Requisition Nbr	
Vendor Fax	514 695 3281	Tax Resale Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	Destination-Collect

M174PH-H900B3.937X4.750 17-4SS Bar H900-  
3.937x4.750 8/03/12 8.00 Yours ppd \$485.5000 \$3,884.00

Yes f

**Special Inst:** MATERIAL: 17-4 PH - H900 SS BAR  
AS PER AMS 5604/5643  
GRAIN MUST RUN ALONG LENGTH  
MINIMUM ULTIMATE TENSILE  
STRENGTH = 150 KSI  
MINIMUM YIELD TENSILE STRENGTH  
= 100 KSI

NOTE: MATERIAL 4.00"X 5.00" IS  
ACCEPTABLE

NOTE:  
PLEASE SHIP MATERIAL TO METCOR  
INC.  
560 BOULV. ARTHUR SAUVE  
SAINT-EUSTACHE, QC  
J7R-5A8  
450-473-1884

PO Total: \$5,715.24



SP128-13

CL  
No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required  YES  NO

Change Nbr: 2

Change Date: 7/19/12

## Receiving Report

Date: 12/8/10Batch No: 11/22670Supplier: MOTORDart P/O: 17489

Packing Slip: Yes  No   
 Invoice: Yes  No   
 Receipt: Cash  Cr

Release Note Attached: Yes  No  N/A   
 Waybill Attached: Yes  No  N/A   
 Shipment Complete: Yes  No  N/A   
 QC6 Inspection: AS  N/A   
 Work Order: 16  10814  N/A

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) LL Level 12

Production/Admin:  
 Date 12/8/10  
 Received/Costing  
 Initial LL

Location

## Purchase Order Receipt Listing

Friday, August 10, 2012 2:26:31 PM

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO17489 Receipt Dates from 8/10/2012 to 8/10/2012 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date/ Required Qty	Recv Date/ Recv Emp	Recv Qty/ (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty	MRB Qty/ MRB Reject (PO U/M)	Book Amt
PO17489	1	71425-30	f		8/24/2012	8/10/2012	8.0000	\$0.00	0.0000	0	\$0.00

VendorID/	Vendor Name	VC-MET004	Meteor Inc.	
CAD	No	71425-30	f	
		HEAT TREAT 17.4		

PH-H900 BAR 4" X

5"

po122675

Total Received Quantity: 8.0000  
Total Qty to Inspect (PO U/M): 0.0000  
Total Reject Quantity: 0.0000  
Total Receipt Value: \$0.00  
Total Balance Due Quantity: 0.0000

# METCOR INC.

560 BOUL. ARTHUR-SAUVÉ  
ST-EUSTACHE, QC J7R 5A8  
Tel: 450-473-1884 / Fax: 450-491-5498

Recu de Livraison

Order	Shipper	Shipping Seq.
178122	1	63191

Shipped Complete

Customer 215

DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
Ph: 613-632-5200  
Fax: 613-632-1053

Shipped To:

DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
Ph: 613-632-5200  
Fax: 613-632-1053

Purchase Order Number	Customer Shipper No.	Material Type	Order Date	Carrier
PO17489		17-4PH	2012/8/2	

Quantity	Part No. / Part Name / Part Description	Pounds
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2 BAR  
4" X 5" SENT FROM CASTLE METALS  
P/O: 17488

CONTENANT: 1 PALETTE

Container Type	# Of Containers	Container Comments
PALETTE	1	

CERTIFICAT

PACKING	
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Quantity Shipped: 2

Pounds Shipped: 572,00

Quantity Remaining: 0

Pounds Remaining: 0,00



CERTIFICAT

Quantity Shipped: 2

Pounds Shipped: 572,00

Signature:

Date:

Shipped ON: 2012/08/06



# Certificat de Conformité

Certificate of Compliance

BON DE TRAVAIL order	CHARGEMENT load
178122	1

CLIENT / customer 215

DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY

ON K6A 1K7

LIVRÉ À / shipped to:

DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY

1

ON K6A 1K7

COMMANDE DU CLIENT customer po	BON DE LIVRAISON DU CLIENT customer shipper no.	MATÉRIEL material	CODE DE TRAITEMENT mat'l heat code	NUMÉRO DE LOT lot number
PO17489		17-4PH		

## SPÉCIFICATIONS DU PROCÉDÉ

processing specifications

AGE HARDEN  
CONDITION H 900  
SAE AMS 2759/3 REV.E

OK per Spec AMS 2759/3 HRC 40-47 = H900

9/2/14

EXIGENCE / requirement	SPÉCIFICATIONS / specified TESTS EXÉCUTÉS / performed	RÉSULTATS DE TESTS / results
HARDNESS	40 - 47 HRC	2 43 - 45 HRC

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description
2	572	BAR 4" X 5" SENT FROM CASTLE METALS P/O: 17488 CONTENANT: 1 PALETTE

## COMMENTAIRES / comments

ALL THE HEAT TREATMENT PROCESSING PERFORMED ON THIS ORDER WAS ACCOMPLISHED USING HEAT TREATMENT EQUIPMENT THAT MEETS THE REQUIREMENTS OF AMS 2759. ALL THE HEAT TREATMENT OPERATIONS WERE ACCOMPLISHED IN ACCORDANCE WITH THE REQUESTED/REQUIRED HEAT TREATMENT SPECIFICATION AND ALL REQUIRED VERIFICATIONS TEST HAVE BEEN PERFORMED AND DOCUMENTED. NO UNAUTHORIZED CHANGES OR DEVIATIONS TO REQUIRED HEAT TREATMENT SPECIFICATIONS OR PROCEDURES HAVE BEEN PERFORMED.

CERTIFIÉ par / Certified by:

*Isabel Gervais*  METCOR 72

DATE: 2012-08-06



Metcor Inc.  
560, boul. Arthur-Sauvé  
St-Eustache (Québec) J7R 5A8  
Tél.: 450 473-1884  
Télécopieur/Fax administration : 450 491-5498  
Télécopieur : 450 491-6454

Certificat de conformité  
Certificate of Compliance

BON DE TRAVAIL order	CHARGEMENT load
178122	1

CLIENT / customer 215  
DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY ON K6A 1K7

LIVRÉ À / shipped to: \*  
DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY ON K6A 1K7

COMMANDE DU CLIENT customer po	BON DE LIVRAISON DU CLIENT customer shipper no.	MATÉRIEL material	CODE DE TRAITEMENT mat'l heat code	NUMÉRO DE LOT lot number
PO17489		17-4PH		

**SPÉCIFICATIONS DU PROCÉDÉ**  
processing specifications

AGE HARDEN  
CONDITION H 900  
SAE AMS 2759/3 REV.E

EXIGENCE / requirement SPÉCIFICATIONS / specified TESTS EXÉCUTÉS / performed RÉSULTATS DE TESTS / results  
HARDNESS 40 - 47 HRC 2 43 - 45 HRC

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description
2	572	BAR 4" X 5" SENT FROM CASTLE METALS P/O: 17488 CONTENANT: 1 PALETTE

COMMENTAIRES / comments

CERTIFIÉ par / Certified by:



DATE: 2012-08-05



# Metcor Inc.

**Metcor Inc.**  
560, boul. Arthur-Sauvé  
St-Eustache (Québec) J7R 5A8  
Tél. : 450 473-1884  
Télécopieur/Fax administration : 450 491-5498  
Télécopieur/Fax production : 450 491-6454

**Certificat de conformité** Télécopieur/Fax administration : 450 491-5494  
Télécopieur/Fax technique : 450 491-6454

<b>BON DE TRAVAIL</b> order	<b>CHARGEMENT</b> load
178122	1

CLIENT / customer 215  
DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY

LIVRÉ À / shipped to:  
DART AEROSPACE  
1270 ABERDEEN  
HAWKESBURY

ON K6A1K7

ON K6A 1K7

COMMANDE DU CLIENT customer po	BON DE LIVRAISON DU CLIENT customer shipper no.	MATÉRIEL material	CODE DE TRAITEMENT mat'l heat code	NUMÉRO DE LOT lot number
PO17489		17-4PH		

## **SPECIFICATIONS DU PROCÉDÉ**

### processing specifications

#### AGE HARDEN

## CONDITION H 900

SAE AMS 2759/3 REV.E

EXIGENCE / requirement	SPÉCIFICATIONS / specified	TESTS EXÉCUTÉS / performed	RÉSULTATS DE TESTS / results
HARDNESS	40 - 47 HRC	2	43 - 45 HRC

QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description	REMARQUE note
2	572	BAR 4" X 5" SENT FROM CASTLE METALS P/O: 17488  CONTENANT: 1 PALETTE	1/10/04

## COMMENTAIRES / comments

CERTIFIÉ par / Certified by:

DATE: 2012-08-05



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

**Purchase Order ID PO17489**

**Purchase Order Date 7/19/12**

PO Print Date 7/19/12

Page Number 1 of 1

**Order From :**  
METCOR INC.  
560 BOUL. ARTHUR SAUVE  
SAINT-EUSTACHE, QC J7R 5A8  
CA

VC-MET004

**Contact Name**  
**Vendor Phone** 450 473 1884  
**Vendor Fax** 450 491 5498  
**Vendor Account Nbr.**

Buyer	Chantal Lavoie
Requisition Nbr	
Tax Resale Nbr	10127-2607
Terms	Net 30
Currency	CAD
FOB	Destination-Collect

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**  
C6/10/07/02

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price			
Vendor Part Number										
		HEAT TREAT 17-4 PH- H900 BAR 4" X 5"	8/24/12	8.00	TST ground	\$0.0000	\$0.00			
			Yes	f	<i>10/18/10</i>					
		Special Inst:	17-4 PH BAR 4" X 5" SENT FROM METAUX CASTLE P/O:17488 HEAT TREAT TO COND H900 FTY IN EXCESS OF 170KSI FTU IN EXCESS OF 190KSI PER AMS2759/3							
			PLEASE ADVISE PRICE \$\$\$\$\$\$							

**CERTIFICATE OF CONFORMITY**  
**REQ'D UPON DELIVERY**

Change Nbr: 1

Change Date: 7/19/12

No substitution or deviation without consent

**Certificate of Conformity or Material Certification required - YES  NO**